

ABSTRACT OF THE DISCLOSURE

An image processing system includes a memory for storing image data of a plurality of pages, a compressor for compressing input image data, and writing means for writing a set of image data of a plurality of pages compressed by the compressor into the memory in sequence. The system further includes a first controller, a second controller, a first detector, a third controller and a second detector. The first controller executes a reading of the set of stored image data from the memory and an image processing thereof in sequence. The second controller executes a re-reading of the set of stored image data from the memory and an image processing thereof in sequence. The first detector detects insufficiency of empty capacity of the memory based on a capacity of image data of one page compressed at a predetermined compression rate. The third controller continues the image processing by the first controller by writing new image data by the writing means after a termination of the image processing of the image data of at least one page stored previously by the first controller, in the event that insufficiency of empty capacity of the memory is detected by the first detector during the writing of image data into the memory by the writing means. The second detector detects an occurrence of an overwriting of the new image data on the stored image data at the time of writing the new image data by the third controller.

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